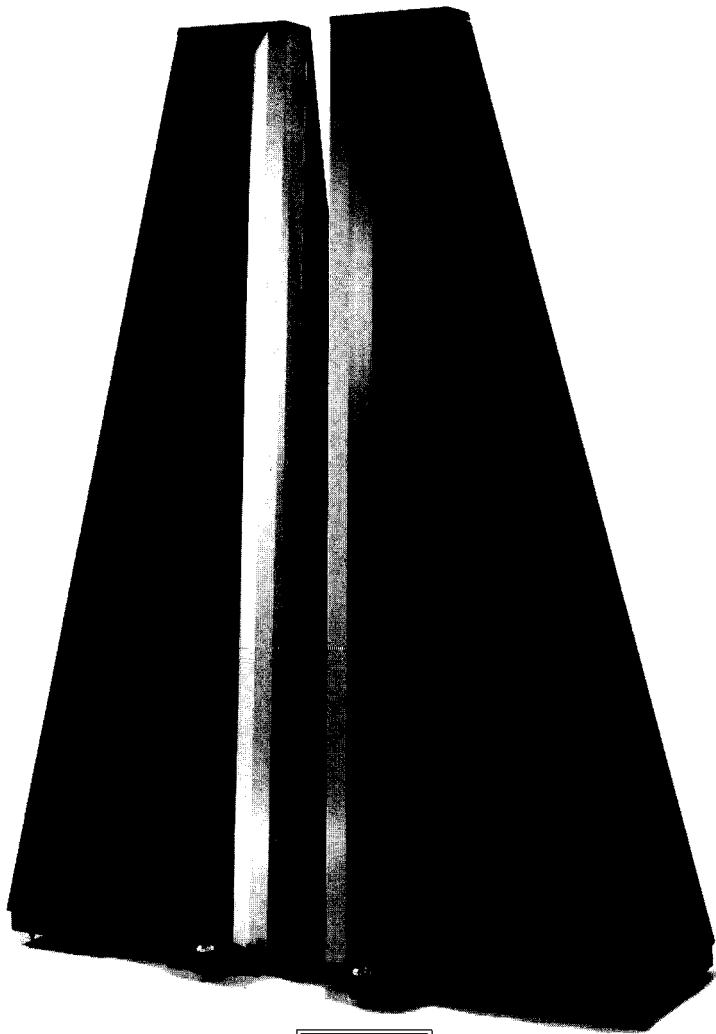


# DALI Skyline 1000

## *Owner's Manual*



**Danish Audiophile Loudspeaker Industries**

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## Design principles

The DALI Skyline 1000 is a full-range dipole loudspeaker, i.e., it radiates equal energy to the front and to the rear. The DALI Skyline 1000 combines the superlative musical performance of our proprietary 80 cm low-mass ribbon high frequency driver with a custom made 6.5" midrange unit and a 12" long-throw bass driver. In order to achieve cohesion between these drivers, we designed a crossover network that integrates the drivers across a broad frequency spectrum, ensuring seamless balance. The ribbon tweeter functions as a line source with a restricted listening window in the vertical plane. **THEREFORE INITIAL SET-UP OF THE DALI SKYLINE 1000 IS CRITICAL.** Please follow the installation instructions carefully. Should further assistance be required, please contact your DALI dealer.

To make initial set-up of your DALI Skyline 1000 easier and to avoid damage to the floor or floor covering, we recommend that you mount the spikes **AFTER** you have found the correct position for the speakers.

## Correct placement

The outside front edge of the speaker should be at least 25 cm from the side wall. The inside front edge should be at least 100 cm from the rear wall. (See Fig. 1.)

## Recommended listening position

The ideal listening position is midway between the speakers, so that the distance (a) between the loudspeakers is approximately 3/4 of the distance (b) to the listener. (See Fig. 1.)

## Recommended angling

For best performance, the DALI Skyline 1000's should be angled inward toward the listening position. (See Fig. 1.)

To determine the correct amount of angling, imagine a straight line from the inside front edge of the left speaker to the listening position. Imagine another straight line from the inside front edge of the right speaker to the listening position.

Angle the speakers so that the distance between these two lines at the listening position is 0.9 meter.

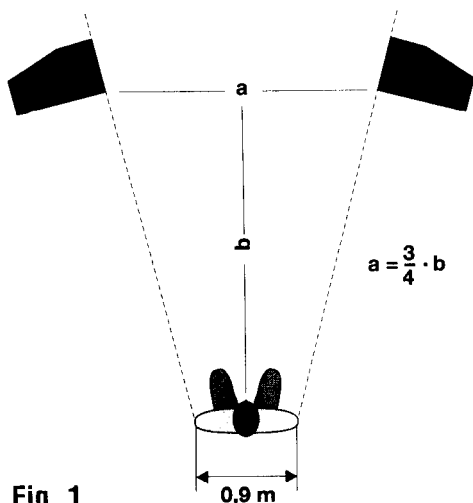


Fig. 1.

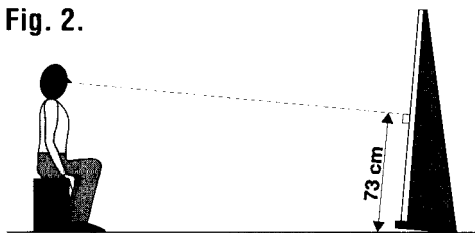
## Optimum tilt

Once you have found the proper position for the speakers, install the three spikes at the base of the loudspeaker. Install the long spike at the front under the base with the large bolt on top of the base. Install the short spikes with their bolts under the base at the rear. Adjust the height of the spikes so that the base plate is parallel to the floor. (See Fig. 2.)

For best performance, the speakers should then be tilted. With a listening position three meters from the speaker and with your ears one meter above the floor, no further tilt should be necessary. Exactly how much tilt depends on listening distance and listening height.

To determine the correct angle, place a small piece of removable tape on the front of the aluminium profile at a spot 73 cm above the floor.

Fig. 2.



While seated in the normal listening position, hold a flashlight at ear-height and aim it directly at the piece of tape. An assistant should now tilt the loudspeaker forwards or backwards using the adjustable spikes, until the centre of the light beam and the tape are at the same height as seen from the listening position.

The listening position is now perpendicular to a point 73 cm above the floor.

When you have tilted the speakers correctly, tighten the bolts to lock the spikes.

## Cable connection

The DALI Skyline 1000 is equipped with two pairs of binding posts for cable connection to your amplifier.

This allows you to choose between three ways of connecting the speaker to the amplifier:

### 1. Normal cable connection:

The shorting wires included with the speakers should be in place, one between the red terminals and one between the black terminals. Loudspeaker cable should then be connected from only one pair of terminals and to your amplifier in the normal manner.

### 2. Bi-wiring:

Remove the shorting wires. Connect loudspeaker cable from the lower pair of terminals to the output terminals of your amplifier in the normal manner. Then connect loudspeaker cable from the upper pair of terminals to the **same** pair of output terminals on your amplifier. Bi-wiring offers a significant improvement in overall sound quality.

### 3. Bi-amping:

Remove the shorting wires. Connect loudspeaker cable from the lower pair of terminals to the output terminals of the amplifier. Connect loudspeaker cable from the upper pair of terminals to a **second** amplifier. Both amps should have the same gain.

## Break-in time

The musical performance of the DALI Skyline 1000, like all quality loudspeakers, will improve over an initial break-in period. Straight out of the box the speakers may sound somewhat compressed and undynamic.

Please allow your new speakers to play many hours of music at your normal listening level, before doing any serious, critical listening. Once broken in, they will offer a definitive rendering of the three-dimensional soundstage and redefine such concepts as clarity and transparency.

## Protection circuitry

The DALI Skyline 1000 ribbon tweeter can handle large amounts of power safely, but if damage does occur, service could be expensive. To protect the ribbon against overload, a fuse is mounted in conjunction with the high-pass filter section. The filter board with

fuse and fuse holder are at the rear of the baffle between the woofer and the midrange driver. Always replace the fuse with the identical type. A spare 2A fast blow 5 x 20 fuse is supplied with the loudspeaker.

Once you have lived with the speakers for a while and learned firsthand just how much power they can handle without any tell-tale signs of clipping distortion, you may choose to bypass the fuse in order to fully experience the clarity of our ribbon driver.

To bypass the fuse, find the unconnected wire on the filter board. Insert the wire in the empty spade socket. The protective fuse is now out of the circuit.

**PLEASE NOTE THAT BYPASSING THE FUSE LEAVES THE RIBBON UNPROTECTED. DO NOT DO SO UNLESS YOU ARE ABSOLUTELY CONFIDENT THAT YOU WILL NEVER OVERLOAD THE RIBBON.**

## Technical specifications

Sensitivity, 2.83V (1W/1m).....	88 dB
Nominal impedance.....	4 ohms
Continuous power handling .....	150 W
Maximum power handling .....	200 W
Frequency response, $\pm 2$ dB.....	40 Hz-21 kHz
Design principle .....	Dynamic Hybrid Dipole
Bass driver .....	12"
Midrange driver.....	6 1/2"
High frequency driver .....	Ribbon 80 x 1.5cm (HxW)
Crossover frequencies .....	400 Hz/3 kHz
Amplifier connection .....	four gold-plated screw terminals
Dimensions (HxWxD) .....	129x44x39 cm
Weight.....	36 kg